

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appl. No. : 10/597,838  
Applicant : Yuichiro Sasaki et al  
Filed : September 27, 2006  
Patent No. : 7,535,220  
Issue Date : September 27, 2006  
Title : BEAM MEASURING EQUIPMENT AND BEAM MEASURING METHOD  
USING THE SAME

Conf. No. : 6965  
TC/A.U. : 2862  
Examiner : Reena Auroura

Customer No. : 52054  
Docket No. : NGB-41093

**CERTIFICATE OF CORRECTION TRANSMITTAL LETTER**

Mail Stop Certificate of Correction Branch  
Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

A Certificate of Correction under 35 U.S.C. 254 is hereby requested to correct Patent Office printing errors in the above-identified patent. Enclosed herewith is a proposed Certificate of Correction (Form No. PTO-1050) for consideration. Also enclosed is documentation in support of this request.

It is requested that the Certificate of Correction be completed and mailed at an early date to the undersigned attorney of record. The proposed corrections are obvious ones and do not in any way change the sense of the application.

We understand that a check is not required since the errors were on the part of the Patent and Trademark Office in printing the patent.

Respectfully submitted,  
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Date: July 8, 2009

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

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PATENT NO. : US 7,535,220

APPLICATION NO.: 10/597,838

ISSUE DATE : May 19, 2009

INVENTOR(S) : Yuichiro Sasaki et al

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 2, line 58, please delete "cannot" and insert --can not--.

In Column 3, line 61, please delete "maybe" and insert --may be--.

In Column 3, line 62, please delete "maybe" and insert --may be--.

In Column 12, line 31, please delete the text beginning in Column 12, line 31 and ending in Column 12, line 55, and insert therefor --

9. The beam measuring method according to claim 8, wherein the beam current value of the beam line and the beam position are simultaneously measured.

10. A beam control method comprising; a measurement step which measures a beam current of beams which are generated by an ion source or an electron beam source using the beam measuring method described in claim 8; and a control step which feedbacks the beam current value and positions of beams which are obtained by the measuring step or both of the beam current value and the positions of beams to control parameters of the ion source, the electron beam source, an analysis electric magnet, a part for applying an electric field and a magnetic field to beams.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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ISSUE DATE : May 19, 2009

INVENTOR(S) : Yuichiro Sasaki et al

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

11. The beam control method according to claim 10, wherein the beam radiation methdo includes a radiation step which radiates the beam current which is controlled using the control parameters obtained in the control step of the beam in claim 12 to a material to be treated.

12. A beam radiation device which includes the beam measuring device described in claim 1.

13. A material to be treated which is manufactured or inspected casing an ion injection device, an electronic beam exposure device, an accelerator or an electron beam vapor deposition device which includes the beam measuring device described in claim 1.

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